

Mekon eclipse™ Crew

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Designed to meet the specialist needs of editing and publishing Air Crew Manuals (ACM), Operating Data Manuals (ODM) and Flight Reference Cards (FRC), Eclipse Crew can save up to 80% of the time taken using other generic publishing tools. Based on requirements specified by the Royal Air Force, Eclipse Crew is now used to produce FRCs and manuals for many aircraft types from fixed wing to rotary, all demanding customised layout to suit the aircrew environment.

Eclipse Crew has several outstanding features including:

- Ability to handle multi-section and multi-chapter publications
- Generation of “on the fly” algorithms and flow diagrams
- Automatic creation of coloured and annotated tabs for reference cards.
- Document management notations including change numbers, security levels, amendment states etc.

Eclipse Crew provides the functionality to author operational information in two ways:

- Direct structured authoring as a specialist manual or reference card set.
- Build a publication from a set of S1000D Data Modules processing them into the required output including output to JSP543, The MOD Publication Service Specification, if required.

Repurposing S1000D data to produce operational documentation to the latest specifications has had a marked impact on production times for existing users. Eclipse Crew currently supports AVEE Description, Issue 1, Change 6, Aircrew Issue 1, Change 8 and Change 8.1, and Issue 2, Change 2 Crew data modules.

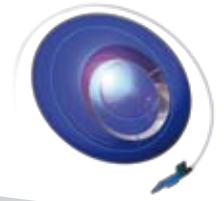
ACM and ODM Manuals

Eclipse Crew supports the publication of high quality manuals in a two column layout and a range of page sizes including A5 and A4 Portrait, A5/A4 and A4/A3 Foldout, A4 Landscape and A4 Calendar. Various items like figures, tables and drills, have the ability to span across both columns when required.

Eclipse Crew also automatically generates:

- List of Effective Pages
- List of Acronyms
- List of Chapters
- Table of Contents
- List of Illustrations
- Change marking
- Footer information

The Eclipse Crew application also provides other advanced features including, cross reference tracking across multiple part documents, and automatic numbering of chapters, paragraphs, tables, figures etc.



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Reference Cards

Eclipse Crew is the industry leading solution for the publication of Crew Reference Cards. Reference Cards are designed to present a series of instructions and actions to the air crew that should be performed in certain circumstances, such as engine start, shutdown or importantly a declared emergency.

Eclipse Crew supports the publication of Reference Cards to a variety of layouts which can be configured by the author. This allows a set of Reference Cards to be produced in a number of different formats and layouts without changing any of the source information. It is very common for each aircraft type to demand specific layouts to maximise operational efficiency which is easily implemented using the multi template support found in Eclipse Crew.

Algorithm graphical flow diagram

Some instructions are best displayed as a series of step procedures.

Eclipse Crew gives the author the ability to generate algorithm flow diagrams automatically drawn from a combination of structural elements and text. These are formatted by the application into graphical flow diagrams which can span multiple pages.

Thumb Tabs

Reference Cards require the use of thumb tabs to allow the operator quick navigation to the required card from the table of contents. Eclipse Crew supports the generation of these thumb tabs in a variety of formats required by different Aircrew Manual specifications. This includes multi layer tabs running down the right, left or bottom of the reference cards in addition to colour coding for emergency procedures.

Equipment Captions

Control panels and electrical circuit breakers have to be described and annotated in Aircrew information manuals. Using Eclipse Crew an author can define the size, colour and text of equipment captions to accurately reflect equipment on flight deck instrument panels. This makes it very fast to adjust or amend captions and avoids the need to import separate illustrations.

Text Compression

The Author can avoid costly additional print costs by using the text compression functionality to identify text to be squeezed typographically, to avoid it running on to a new Reference Card page.

Advances Notification of Amendment

New technical information which has been included in the Reference Cards, but has yet to be formally approved, can be highlighted in Eclipse Crew with a blue background to indicate its "advance notification" status.



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